

ABSTRACT OF THE DISCLOSURE

Under the knowledge which two kinds of intracellular signal transfer mechanism of TGF - β super family receptor exist: a pathway via Smad molecule and a pathway via novel MAP kinase such as TAB1 and TAK1, and the knowledge of interaction of Smad molecule with intranuclear receptor or CBP/p300 on the transcription control by Smad molecule, a screening method and a molecular designing method for pharmaceuticals with identified site of action and higher specificity can be accomplished.

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100